

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An LED, comprising:
 - a first ~~nitride-gallium~~gallium nitride layer;
 - a first electrode provided at one portion of and above the first ~~nitride-gallium~~gallium nitride layer;
 - an active layer provided above the first ~~nitride-gallium~~gallium nitride layer;
 - a second ~~nitride-gallium~~gallium nitride layer provided above the active layer; and
 - a plurality of transparent electrodes formed above the second ~~nitride-gallium~~gallium nitride layer, wherein at least one of the plurality of transparent electrodes is electrically connected to, and is physically isolated from, another of the plurality of transparent electrodes.
2. (Previously Presented) The LED according to claim 1, wherein the plurality of transparent electrodes form parallel stripes.
3. (Cancelled)
4. (Currently Amended) The LED according to claim 1, further comprising:
 - a third ~~nitride-gallium~~gallium nitride layer formed above the second ~~nitride-gallium~~gallium nitride layer.

5. (Currently Amended) An LED having a first ~~nitride-gallium~~gallium nitride layer, an active layer, a second ~~nitride-gallium~~gallium nitride layer, a first electrode, and a second electrode above a ~~sapphire~~-substrate, the LED comprising:

a plurality of transparent electrodes respectively formed on the second ~~nitride-gallium~~gallium nitride layer, wherein at least one of the plurality of transparent electrodes is electrically connected to, and is physically isolated from, another of the plurality of transparent electrodes; and

a plurality of connection units, each connection unit electrically connecting a respective one of the plurality of transparent electrodes with the second electrode.

6. (Original) The LED according to claim 5, wherein the first electrode is disposed along a circumference of an upper edge of the diode.

7. (Original) The LED according to claim 5, wherein the connection unit are metal films.

8. (Cancelled)

9. (Previously Presented) The LED according to claim 5, wherein edges of the plurality of transparent electrodes have the same thicknesses as the second electrode.

10-13. (Cancelled)

14. (Currently Amended) The LED according to claim 5, further comprising:

a third ~~nitride-gallium~~gallium nitride layer formed above the second ~~nitride-gallium~~gallium nitride layer.

15-17. (Cancelled)

18. (Currently Amended) An LED, comprising:

a substrate;

a first ~~nitride-gallium~~gallium nitride layer formed above the substrate;

an active layer formed above the second ~~nitride-gallium~~gallium nitride layer;

a second ~~nitride-gallium~~gallium nitride layer formed above the active layer;

a first electrode formed above the first ~~nitride-gallium~~gallium nitride layer;

a second electrode formed above the second ~~nitride-gallium~~gallium nitride layer;

a plurality of transparent electrodes formed above the second ~~nitride-gallium~~gallium nitride layer, wherein at least one of the plurality of transparent electrodes is electrically connected to, and is physically isolated from, another of the plurality of transparent electrodes;
and

a plurality of connection units, each connection unit connecting a respective one of the plurality of transparent electrodes with the second electrode,

wherein the plurality of transparent electrodes are formed of different material from the electrical connection units.

19. (Cancelled)

20. (Previously Presented) The LED according to claim 18, wherein the plurality of transparent electrodes comprise at least three transparent electrodes.

21. (Previously Presented) The LED according to claim 18, wherein the plurality of transparent electrodes have stripe shapes.

22. (Previously Presented) The LED according to claim 1, further comprising:
a second electrode; and
a plurality of connection units, each connection unit electrically connecting a respective one of the plurality of transparent electrodes with the second electrode.

23. (Previously Presented) The LED according to claim 1, further comprising:
a second electrode; and
a plurality of connection units, each connection unit electrically connecting a respective one of the plurality of transparent electrodes with the second electrode,
wherein the plurality of connection units are formed of different material from the plurality of transparent electrodes.

24. (Previously Presented) The LED according to claim 5, wherein the plurality of connection units are formed of different material from the plurality of transparent electrodes.

25. (Previously Presented) The LED according to claim 1, further comprising:

a second electrode; and

a plurality of connection units, each connection unit directly connecting a respective one of the plurality of transparent electrodes with the second electrode.

26. (Previously Presented) The LED according to claim 5, wherein the plurality of connection units directly connect the second electrode with a respective one of the plurality of transparent electrodes.

27. (Currently Amended) The LED according to claim 5, wherein the plurality of transparent electrodes, the second electrode and the plurality of connection units are formed directly on the second ~~nitride-gallium~~gallium nitride layer.

28. (Currently Amended) The LED according to claim 18, wherein the plurality of transparent electrodes, the second electrode and the plurality of connection units are formed directly on the second ~~nitride-gallium~~gallium nitride layer.

29. (New) The LED according to claim 1, wherein the plurality of transparent electrodes are co-planar.

30. (New) The LED according to claim 1, wherein the plurality of transparent electrodes are connected by a P-type electrode.

31. (New) The LED according to claim 1, wherein the plurality of transparent electrodes are each connected to a P-type electrode via corresponding metal films.

32. (New) The LED according to claim 1, wherein the plurality of transparent electrodes are disposed directly on corresponding physically separated locations of a surface of the second gallium nitride layer.